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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/765,077	01/17/2001	Prasad Krothapalli	90933/0276150	6745

7590 07/21/2004  
PILLSBURY WINTHROP LLP  
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Washington, DC 20005-3918

EXAMINER

DUONG, OANH L

ART UNIT	PAPER NUMBER
2155	6

DATE MAILED: 07/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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**AUG 02 2004**

**Technology Center 2100**

**Office Action Summary**

Application No.

09/765,077

Applicant(s)

KROTHAPALLI ET AL.

Examiner

Oanh L. Duong

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 January 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

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**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 5.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

1. Claims 1, 11 and 20-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Nicolas et al. (Nicolas) (US 6,593,944 B1).

Regarding claim 1, Nicolas teaches a method for maintaining at a server frame context for a device (Fig. 7), the method comprising:

generating a first data structure having a first pointer for a first frame and a second pointer for a second frame (col. 2 lines 63-col. 3 line 2);

associating a first context indicator with the first data structure (col. 3 lines 2-3 and col. 10 lines 28-32)

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sending from a server to a device the first context indicator, the first pointer, and a first document pointed to by the first pointer (col. 12 lines 32-44 and col. 14 lines 30-49).

Regarding claim 11, Nicolas teaches the first pointer and the third pointer point to different documents (Fig. 7).

Regarding claim 15, Nicolas teaches a method for maintaining at a server frame context for a device that is unable to display multiple frames, the method comprising:

generating a list including at least one data structure (col. 3 lines 18-24);

wherein each data structure includes at least two pointers and each of the at least two pointers corresponds to a different respective frame (col. 2 lines 63-col. 3 line 2);

wherein each data structure has a corresponding respective context indicator (col. 3 lines 2-3 and col. 10 lines 28-32); and

sending from a server to a device a first context indicator, a first pointer, and a first document pointed to by the first pointer (col. 12 lines 32-44 and col. 14 lines 30-49).

Regarding claim 20, Nicolas teaches a method for maintaining frame context (Fig. 7), the method comprising:

receiving at a device a context indicator that points to a data structure on a server (col. 12 lines 32-44);

wherein the data structure has at least two pointers each of which corresponds to a different respective frame (col. 12 lines 32-44);and

receiving at the device one of the at least two pointers and a document associated with the one of the at least two pointers (col. 14 lines 30-49).

Regarding claim 21, Nicolas teaches sending from the device to the server the context indicator and the one of the at least two pointers (col. 14 lines 30-49).

Regarding claim 22, Nicolas teaches the sending occurs when a user backtracks to the document pointed to by the one of the at least two pointers and makes a request associated with the document (col.14 lines 30-67).

Regarding claim 23, Nicolas teaches sending from the device to the server a request associated with the context indicator and the one of the at least two pointers (col. 14 lines 30-67).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 2-10, 12-14, 16-19 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nicolas in view of Ishimine (US 5,764,227).

Regarding claim 2, Nicolas teaches receiving at a server from the device the first context indicator, the first pointer, and a request (col. 14 lines 7-14); generating based on the request a second data structure with a third pointer for the first frame and a fourth pointer for the second frame (col. 14 lines 7-62).

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Regarding claim 3, Nicolas teaches receiving at a server from the device a request (col. 16 lines 5-10); and generating based on the request a second data structure having a third pointer for the first frame and a fourth pointer for the second frame (col. 14 lines 7-62).

Regarding claim 4, Nicolas does not teach assigning the first context indicator and the first pointer to current context indicator.

Ishimine, in the same field of endeavor, teaches assigning the first context indicator and the first pointer to current context indicator (Fig. 12(a) col. 7 lines 59-61). Ishimine teaches such assigning step allows easy recognition of each individual page/frame of the document (col. 1 line 6-12). It would have been obvious to one having ordinary skill in the art at the time the invention was made to have utilized the assigning step of Ishimine in the process of maintaining frame/[page context in Nicolas.

Regarding claim 5, Nicolas teaches associating a second context indicator with the second data structure (col. 3 lines 2-3 and col. 10 lines 28-32); and sending to the device the second context indicator, the third pointer, and a second document pointed to by the third pointer (col. 14 line 63-col. 15 line 12).

Regarding claims 6 and 8, Nicolas-Ishimine teaches associating a second context indicator with the second data structure (Ishimine, Fig. 12(b)); and assigning the second context indicator and the third pointer to a current context indicator (Ishimine, Fig. 12(b)).

Regarding claim 7, Nicolas-Ishimine teaches associating a second context indicator with the second data structure (Ishimine, Fig. 3); and sending to the device the

context indicator, the pointer, and a document pointed to by the pointer (col. 12 lines 32-44 and col. 14 lines 30-49).

Regarding claim 9, Nicolas-Ishimine teaches associating a second context indicator (i.e., 2) with the second data structure; and placing the first context indicator (i.e., 1) and the second context indicator into a list (data table memory 6) in the relative order that the first context indicator and the second context indicator were generated (Ishimine, Fig. 3).

Regarding claim 10, Nicolas-Ishimine teaches assigning the first context indicator and the first pointer to a current context indicator; wherein assigning the first context indicator precedes receiving at a server from the device the first context indicator, assigning the second context indicator and the third pointer to the current context indicator; wherein assigning the second context indicator occurs after receiving at a server from the device the first context indicator (Ishimine, col. 7 line 50-col. 8 line 3).

Regarding claim 12, Nicolas teaches the second pointer and the fourth pointer point to different documents (Fig 7).

Regarding claim 13, Nicola-Ishimine teaches associating a second context indicator with the second data structure; placing the first context indicator and the second context indicator into a list in the relative order that the first context indicator and the second context indicator were generated (Ishimine, Fig. 3).

Regarding claim 14, Nicolas teaches generating a third data structure with a fifth pointer to the first frame and a sixth pointer to the second frame (col. 2 lines 63-col. 3 line 2); associating a third context indicator with the third data structure (col. 3 lines 2-3

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and col. 10 lines 28-32); sending the third context indicator, the fifth pointer, and a third document associated with the fifth pointer to the device (col. 12 lines 32-44 and col. 14 lines 30-49); receiving at the server from the device the first context indicator, the first pointer, and a request (col. 14 lines 7-14); and generating based on the request a fourth data structure with a seventh pointer for the first frame and an eighth pointer for the second frame (col. 14 lines 7-62).

Regarding claim 16, Nicolas-Ishimine teaches receiving at the server from the device the first context indicator, the first pointer, and a request (Nicolas, col. 14 lines 7-14); generating based on the request a new data structure (Nicolas, col. 14 lines 7-62); associating a new context indicator with the new data structure (Nicolas, col. 3 lines 2-3 and col. 10 lines 28-32); placing the new data structure into the list (Ishimine, Fig. 3); and sending from the server to the device a new context indicator, a new pointer which is associated with the new data structure (Barclay, col. 6 line 48-col. 7 line 3), and a new document pointed to by the new pointer (Nicolas, col. 12 lines 32-44 and col. 14 lines 30-49).

Regarding claim 17, Nicolas-Ishimine teaches assigning the first context indicator and the first pointer to a current context indicator; and wherein the assigning the first context indicator occurs before receiving at the server from the device the first context indicator (Ishimine, col. 7 lines 59-col. 8 line 3).

Regarding claim 18, Nicolas-Ishimine teaches reassigning the first context indicator and the first pointer to the current context indicator after receiving at the server from the device the first context indicator (Ishimine, col. 4 lines 23-59).



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Regarding claim 19, Nicolas-Ishimine teaches wherein generating is also based on the first context indicator and the first pointer (Ishimine, col. 10 lines 39-67).

Regarding claim 24, Nicolas-Ishimine teaches the context indicator, the one of the at least two pointers and the document associated with the one of the at least two pointers (Ishimine, Fig. 3 col. 4 lines 23-36).

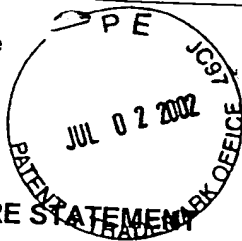
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Oanh L. Duong whose telephone number is (703) 305-0295. The examiner can normally be reached on Monday- Friday, 8:00AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (703) 308-6662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

O.D  
July 11, 2004

  
**HOSAIN ALAM**  
**SUPERVISORY PATENT EXAMINER**



Atty. Dkt. No.	M#	Client Ref.
	90933-276150	EP-003(U)

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: Prasad Krothapalli et al.

Appln. No.: 09/765,077

Filing Date: January 17, 2002

Examiner: Unassigned

Group Art Unit: 2673

Date: June 25, 2002

Page 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
in	AR 6,073,135	06/06/00	Broder et al.	707	100	
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
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**FOREIGN PATENT DOCUMENTS**

Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
OR				Enclosed	No
PR					
QR					
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**OTHER** (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR	
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AAR	
BBR	
CCR	
DDR	

Examiner *Carl Dwyer*

Date Considered: 06/28/04

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<b>Notice of References Cited</b>	Application/Control No. 09/765,077	Applicant(s)/Patent Under Reexamination KROTHAPALLI ET AL.	
	Examiner Oanh L. Duong	Art Unit 2155	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,711,714	03-2004	Wynblatt et al.	715/500.1
	B	US-6,593,944	07-2003	Nicolas et al.	345/744
	C	US-6,289,361	09-2001	Uchida, Shinichiro	715/501.1
	D	US-6,704,732	03-2004	Barclay, Iain Stuart	707/10
	E	US-5,764,227	06-1998	Ishimine, Hisako	345/807
	F	US-6,031,989	02-2000	Cordell, John P.	717/109
	G	US-6,657,647	12-2003	Bright, Walter G.	345/856
	H	US-6,266,684	07-2001	Kraus et al.	715/513
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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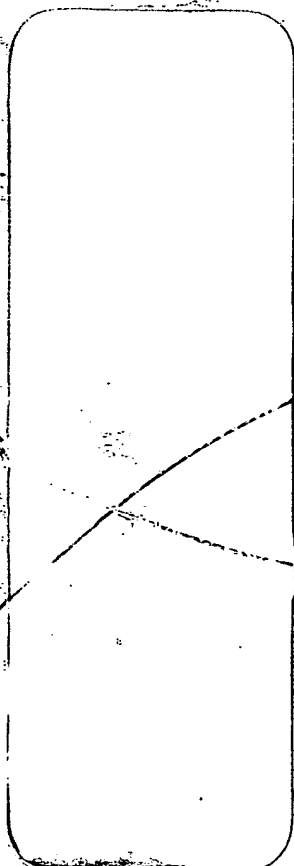
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*Wm. L. ...*